

WHAT IS CLAIMED IS:

1. A cell for analyzing fluid configured in a manner that sample flows therein and irradiation light passes through the sample, said cell comprising:

5 an inner tube in which the sample passes;

a protection tube formed on an outside of the inner tube to hold shape of the inner tube; and

a reflection layer formed between the inner tube and the protection tube to reflect the light passing within the inner  
10 tube.

2. A cell for analyzing fluid according to claim 1, wherein the protection tube prevents light incident from outside from transmitting on the inner tube side.

3. A cell for analyzing fluid according to claim 1 or  
15 2 wherein the reflection layer is an air layer.

4. A cell for analyzing fluid according to claim 1 or 2, wherein the reflection layer is formed by light reflection means provided on an outer surface of the inner tube.

5. A cell for analyzing fluid according to claim 1 or  
20 2, wherein each of the inner tube, the protection tube and the reflection layer has flexibility and bends freely.

6. A cell for analyzing fluid configured in a manner that sample flows therein and irradiation light passes through the sample, said cell comprising:

25 an inner tube in which the sample passes; and

light reflection means provided on an outer surface of the inner tube to reflect the light passing within the inner tube.

7. A cell for analyzing fluid according to claim 6,  
5 wherein the light reflection means prevents light incident from outside from transmitting on the inner tube side.

8. A cell for analyzing fluid according to claim 6 or 7, wherein each of the inner tube and the light reflection means has flexibility and bends freely.

10 9. A cell for analyzing fluid configured in a manner that sample flows therein and irradiation light passes through the sample, said cell comprising:

an optical fiber configured by a hollow core in which the sample passes and a clad formed on an outside of the core and  
15 reflecting light passing within the core. 10. A cell for analyzing fluid according to claim 9, further comprising a protection tube which holds shape of the optical fiber.

11. A cell for analyzing fluid according to claim 10, wherein the protection tube prevents light incident from outside  
20 from transmitting on the optical fiber side.

12 A cell for analyzing fluid according to claim 9, wherein said optical fiber has flexibility and bends freely.

13. A cell for analyzing fluid according to claim 10 or 11, wherein each of the optical fiber and the protection tube  
25 has flexibility and bends freely.

14. An analyzing apparatus comprising:  
a cell for analyzing fluid configured to flow sample  
therein;  
an irradiation portion disposed at one end side of the  
5 cell for irradiating light toward inside of the cell; and  
a detector disposed at other end side of the cell for  
detecting light passing through the inside of the cell from the  
irradiation portion,

wherein said cell includes an inner tube in which the sample  
10 passes, a protection tube formed on an outside of the inner tube  
to hold shape of the inner tube, and a reflection layer formed  
between the inner tube and the protection tube to reflect the  
light passing within the inner tube.

15. An analyzing apparatus according to claim 14, wherein  
15 the protection tube prevents light incident from outside from  
transmitting on the inner tube side.

16. An analyzing apparatus according to claim 14 or 15,  
wherein the reflection layer is an air layer.

17. An analyzing apparatus according to claim 14 or 15,  
20 wherein the reflection layer is formed by light reflection means  
provided on an outer surface of the inner tube.

18. An analyzing apparatus according to claim 14 or 15,  
wherein each of the inner tube, the protection tube and the  
reflection layer has flexibility and bends freely.

25 19. An analyzing apparatus comprising:

a cell for analyzing fluid configured to flow sample therein;

an irradiation portion disposed at one end side of the cell for irradiating light toward inside of the cell; and

5 a detector disposed at other end side of the cell for detecting light passing through the inside of the cell from the irradiation portion,

wherein said cell includes an inner tube in which the sample passes, and light reflection means provided on an outer surface  
10 of the inner tube to reflect the light passing within the inner tube.

20. An analyzing apparatus according to claim 19, wherein the light reflection means prevents light incident from outside from transmitting on the inner tube side.

15 21. An analyzing apparatus according to claim 19 or 20 wherein each of the inner tube and the light reflection means has flexibility and bends freely.

22. An analyzing apparatus comprising:

a cell for analyzing fluid configured to flow sample  
20 therein;

an irradiation portion disposed at one end side of the cell for irradiating light toward inside of the cell; and

a detector disposed at other end side of the cell for detecting light passing through the inside of the cell from the  
25 irradiation portion,

wherein said cell includes an optical fiber configured by a hollow core in which the sample passes and a clad formed on an outside of the core and reflecting light passing within the core.

5        23. An analyzing apparatus according to claim 22, wherein said cell further includes a protection tube which holds shape of the optical fiber.

10        24. An analyzing apparatus according to claim 23, wherein the protection tube has a function of preventing light incident from outside from transmitting on the optical fiber side.

25. An analyzing apparatus according to claim 22, wherein said optical fiber has flexibility and bends freely.

15        26. An analyzing apparatus according to claim 23 or 24 wherein each of the optical fiber and the protection tube has flexibility and bends freely.